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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,190	04/02/2004	Steven George Hansen	081468-0309021	7518
909 7590 02/06/2007 PILLSBURY WINTHROP SHAW PITTMAN, LLP P.O. BOX 10500			EXAMINER	
			GUTIERREZ, KEVIN C	
MCLEAN, VA 22102			ART UNIT	PAPER NUMBER
		•	2851	
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			02/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action Before the Filing of an Appeal Brief

Applicant(s)	
HANSEN ET AL.	
Art Unit	
2851	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 10 January 2007 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. 1. X The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods: a) The period for reply expires <u>3</u> months from the mailing date of the final rejection. b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f). Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL 2. The Notice of Appeal was filed on _. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a). **AMENDMENTS** 3. 🔲 The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will <u>not</u> be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below); (b) They raise the issue of new matter (see NOTE below); (c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or (d) They present additional claims without canceling a corresponding number of finally rejected claims. NOTE: _____. (See 37 CFR 1.116 and 41.33(a)). 4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324). 5. Applicant's reply has overcome the following rejection(s): _____ 6. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s). 7. Tor purposes of appeal, the proposed amendment(s): a) will not be entered, or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: ___ Claim(s) rejected: _ Claim(s) withdrawn from consideration: ____ AFFIDAVIT OR OTHER EVIDENCE 8. 🗌 The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e). 9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1). 10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached. REQUEST FOR RECONSIDERATION/OTHER 11.

The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet. 12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). 13. Other: Notice of Reference Cited.

DIANE LEE SUPERVISORY PATENT EXAMINER Continuation of 11. does NOT place the application in condition for allowance because: The arguments filed January 10, 2007 have been fully considered, but are not persuasive because the Examiner has provided and maintain the reasons for non-patentability filed in the previous Office Action.

However, to provide further explanation regarding the arguments of pages 7-11, the Applicant argues that the combination of Orino and Inoue do not disclose, teach or suggest "at least one pupil shaping element constructed and arranged to define an on-axis, substantially rectilinear intensity distribution on the beam at a pupil plane of the illumination system, and a polarizer constructed and arranged to impart a linear polarization to the beam" and "processing a beam of radiation such that an intensity distribution of the beam at a pupil plane of an illumination system of a lithographic apparatus comprises an on-axis rectilinear intensity distribution and linearly polarizing said beam." The Examiner respectfully disagrees. Orino discloses at least one pupil shaping element (interpreted as a masking blade 160), which provides an on-axis rectilinear distribution on the beam at a pupil plane ([0041], lines 3-6, where a rectangular illuminated are is formed) at a pupil plane located within the masking blade 160 (denoted by crossed solid lines). To further explain the location of the pupil plane, a pupil plane would be located a chief ray. A chief ray crosses and enters a midpoint of the pupil and exits passing through the center (see http://scienceworld.wolfram.com/physics/Pupil.html). Figure 1 of Orino depicts at least one chief ray passing through the center of masking blade 160. Thus, it passes through a pupil plane. Furthermore, as explained in the previous Office Action, Inoue discloses the use of polarized beams. Therefore, the combination of Orino and Inoue, and with the other provided references, disclose the claimed invention.

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REPLACEMENT SHEET



